



Sheet 1 of 9

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. FORSK 3.0-001 FWC CIP CONT FWC DIV	SERIAL NO. 08/340,664		
LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				APPLICANT Gautvik et al.			
				FILING DATE November 16, 1994	GROUP 1812		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JH</i>	AA	4 5 3 2 2 0 7	7/85	Brewer et al.	435	69.4	
	AB	4 3 9 4 4 4 3	7/83	Weissman et al.	435	6	
	AC	4 3 3 8 3 9 7	7/82	Gilbert et al.	435	69.1	
	AD	4 5 8 8 6 8 4	5/86	Brake	435	69.4	
	AE	4 5 4 6 0 8 2	10/85	Kurjan et al.	435	69.4	
	AF	4 2 3 7 2 2 4	12/80	Cohen et al.	435	69.1	
	AG	4 4 6 8 4 6 4	8/84	Cohen et al.	435	320.1	
	AH	4 3 6 6 2 4 6	12/82	Riggs	435	69.8	
	AI	4 4 2 5 4 3 7	1/84	Riggs	435	320.1	
	AJ	4 2 6 4 7 3 1	4/81	Shine	435	91.41	
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AL		84 0 1 1 7 3	3/84	PCT			
AM		1 1 3 9 0 7 6	5/85	European Patent Application			
AN		2 0 9 4 8 3 3	9/82	Great Britain			
AO		2 0 9 2 5 9 6	8/82	Great Britain			
AP		0 3 8 1 8 3	10/81	European Patent Application			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR		Kronenberg et al., "Studies of Parathyroid Hormone Secretion Using Recombinant DNA Technology," Endocrine Control of Bone and Calcium Metabolism, 217 (1984)					
AC		Born et al., (Abstract) "Expression of Human Preproparathyroid Hormone in E. coli and Yeast," Calcified Tissue International, Vol. 35, 679 (1983)					
EXAMINER	<i>J. Spector</i>			DATE CONSIDERED 9/16/96			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

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AL	1 2 3 5 4 4	10/84	European Patent Application				
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AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR	Born et al., (Abstract) "Expression of Human Preproparathyroid Hormone in <u>E. coli</u> and Yeast," <u>Calcified Tissue International</u> , Vol. 36 (Suppl. 2), 287 (1984)						
XWY	AS Hendy et al., "Nucleotide Sequence of Cloned cDNAs Encoding Human Preproparathyroid Hormone," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 78, 7365 (1981)						
EXAMINER <i>L. Spector</i>				DATE CONSIDERED <i>5/16/96</i>			
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APPLICANT

Gautvik et al.

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Breyel et al., "Synthesis of Mature Human Parathyroid Hormone in <u>Escherichia coli</u> ," Third European Congress On Biotechnology, Vo. III, 363 (1984)
AS	Breyel et al., (Abstract) "Synthesis of Mature Human Parathyroid Hormone in <u>Escherichia coli</u> ," Calcified Tissue International, Vol. 36 (Suppl. 2), 297 (1984).
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AR		Born et al., (Abstract) "Expression And Processing of Human Preproparathyroid Hormone in <i>Escherichia coli</i> ," <i>Experientia</i> , Vol. 39, 659 (1983).					
AS		Hendy, (Abstract) "Cloning of Human Parathyroid Hormone mRNA and Gene," <i>Calcified Tissue International</i> , Vol. 36, 286 (1984).					
AT		McDevitt et al., (Abstract) "Isolation of Human Parathyroid Hormone Genes," <i>Calcified Tissue International</i> , Vol. 31, 74 (1980).					
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ATTY. DOCKET NO. FORSK 3.0-801 INC	SERIAL NO.
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APPLICANT	Gautvik et al.
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Gorden et al., (Abstract) "Molecular Cloning and Structural Analysis of Near Full-Length DNA Complementary to the mRNA Coding for Bovine Parathyroid Hormone," Fed. Proc., 39, 947 (1980).
XX	Vasicek et al., "Nucleotide Sequence of the Human Parathyroid Hormone Gene," Proc. Nat'l. Acad. Sci., Vol. 80, 2127 (1983).
AS	
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	FILING DATE	GROUP
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Kronenberg et al., "Cloning and Nucleotide Sequence of DNA Coding for Bovine Preproparathyroid Hormone," Proc. Nat'l. Acad. Sci., Vol. 76, 4981 (1979).
AS	Sung et al., "Hybrid Gene Synthesis: Its Application to the Assembly of DNA Sequences Encoding the Human Parathyroid Hormones and Analogs," Biochem. Cell Biol., Vol. 64, 133 (1986).
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AR		Keutmann et al., "Complete Amino Acid Sequence of Human Parathyroid Hormone," <u>Biochemistry</u> , Vol. 17, 5723 (1978).					
AS		Naylor et al., "Human Parathyroid Hormone Gene (PTH) is on Short Arm of Chromosome II," <u>Somatic Cell Genetics</u> , Vol. 9, (1983).					
XX							
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AR		Kronenberg et al., (Abstract) "Structural Analysis of the Human Parathyroid Hormone Gene," Calcified Tissue International, Vol. 33, 322 (1981).					
AS		Hellerman et al., "Secretion of Human Parathyroid Hormone from Rat Pituitary Cells Infected with a Recombinant Retrovirus Encoding Preproparathyroid Hormone," Proc. Nat'l. Acad. Sci., Vol. 81, 5340 (1984).					
AT							
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08/340,564

Gautvik et al.

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>J</i>	AR	Brake et al., Alpha-Factor-directed synthesis and secretion of mature
		foreign proteins in <i>Saccharomyces cerevisiae</i> , 3/28/84
AS		Cantrell et al., cDNA Cloning, Expression, and Activity of Human Granulocyte-
		Macrophage Colony-Stimulating Factor, 1987
AT		Arnst, J. E., Efficient Secretion and Processing of Heterologous Protein in
		<i>Saccharomyces cerevisiae</i> is mediated solely by the Pre-Segment of
EXAMINER	<i>Z Spector</i>	Alpha-Factor Precursor, DNA 7 (1988)
		DATE CONSIDERED <i>5/16/96</i>

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FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. GAUTVIK 3.0-001 FWC CIP CONT FWC DIV	Serial No. 08/340,664		
LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				Applicant Gautvik et al.			
				Filing Date November 16, 1984	Group 131?		
PATENT DOCUMENTS							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JK</i>	AR	Watson, James D., Tooze, John and Kurtz, David T., <u>Recombinant DNA, A Short Course</u> , Scientific American Books, pp. 2-16, New York, ©1983.					
<i>JL</i>	AS	Old, R.W. and Primrose, S.B., <u>Principles of Gene Manipulation, an Introduction to Genetic Engineering</u> , Blackwell Scientific Publications, 3rd ed., pp. 183-202, ©1985.					
<i>JL</i>	AT	Esposito, Michael S., <u>Yeast Molecular Biology - Recombinant DNA</u> , Noyes Publications, pp. 93-287, ©1984.					
EXAMINER <i>J. Lector</i>		DATE CONSIDERED <i>5/15/96</i>					
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